

IN THE CLAIMS

Please cancel claims 2 through 18 without prejudice or disclaimer. Please add the following claims:

19. A non-human mammal cloned from a fully differentiated cell obtained from a non-human mammal of the same species.
20. The non-human mammal of claim 19 in which the fully differentiated cell is obtained *ex vivo*.
21. The non-human mammal of claim 20 in which the non-human mammal is selected from the group consisting of mice, cattle, sheep, pigs and goats.
22. A non-human mammal cloned from a cell line cultured *in vitro*.
23. The non-human mammal of claim 22 in which the non-human mammal is selected from the group consisting of mice, cattle, sheep, pigs and goats.
24. A method of reconstituting a non-human mammalian embryo, comprising:
- (a) transferring the nucleus of a donor cell into an enucleated oocyte, wherein the donor cell is a fully differentiated cell obtained from a non-human mammal, and wherein the donor cell and oocyte are of the same species;
 - (b) activating the oocyte; and
 - (c) incubating the activated oocyte such that an embryo develops.
25. The method of claim 24 in which the fully differentiated cell is obtained *ex vivo*.
26. A method of cloning a non-human mammal, comprising:
- (a) transferring the nucleus of a donor cell into an enucleated oocyte, wherein the donor cell is a fully differentiated cell obtained from a non-human mammal, and wherein the donor cell and oocyte are of the same species;

- (b) activating the oocyte;
- (c) incubating the activated oocyte such that an embryo develops;
- (d) transferring the embryo to a female of the same species; and
- (e) developing the embryo into the non-human mammal.
27. The method of claim 26 in which the fully differentiated cell is obtained *ex vivo*.
28. The method of claim 27 in which the non-human mammal is selected from the group consisting of mice, cattle, sheep, pigs and goats.
29. A method of cloning a non-human mammal, comprising:
- ✓ (a) transferring a reconstituted embryo comprising an enucleated oocyte and a nucleus of a donor cell, said donor cell comprising a fully differentiated cell obtained from a non-human mammal, to a female; and
- (b) allowing the reconstituted embryo to develop into the non-human mammal.
30. The method of claim 29 in which the non-human mammal is selected from the group consisting of mice, cattle, sheep, pigs and goats.
31. A method of reconstituting a non-human mammalian embryo, comprising:
- ✓ (a) transferring the nucleus of a donor cell into an enucleated oocyte, wherein the donor cell is from a non-human mammalian cell line cultured *in vitro*, and wherein the donor cell and oocyte are of the same species;
- (b) activating the oocyte; and
- (c) incubating the activated oocyte such that an embryo develops;
32. A method of cloning a non-human mammal, comprising:
- ✓ (a) transferring the nucleus of a donor cell into an enucleated oocyte, wherein the donor cell is from a non-human mammalian cell line cultured *in vitro*, and wherein the donor cell and oocyte are of the same species;

- (b) activating the oocyte;
- (c) incubating the activated oocyte such that an embryo develops;
- (d) transferring the embryo to a female of the same species; and
- (e) developing the embryo into the non-human mammal.

33. The method of claim 32 in which the non-human mammal is selected from the group consisting of mice, cattle, sheep, pigs and goats.

34. A method of cloning a non-human mammal, comprising:

- (a) transferring reconstituted embryo comprising an enucleated oocyte and a donor cell, said donor cell comprising a cell from a non-human mammalian cell line cultured *in vitro* to a female; and
- (b) allowing the reconstituted embryo to develop into the non-human mammal.

REMARKS

Support for the added claims can be found in the application as a whole and in particular as follows:

Claim 17 finds adequate support as claim 32.

Claims 19 and 20 find basis in the application on page 20 at lines 23-24 with reference to page 5 at lines 16-17 which define the cloning of a non-human mammal. Support for the language "*ex vivo*" can be found in the application on page 8 at lines 3-17.

Support for claim 21 and other dependent claims of the same scope can be found in the application as for claim 19 above with the reference to page 5 at lines 20-28.

Claim 22 finds support in the description on page 10 at lines 23-24 with reference to page 5 at lines 15-17. Support for the language "from a cell line cultured *in vitro*" can be found in the application on page 8, lines 13-17.